

PREPARED FOR
THE PORT AUTHORITY
OF NY & NJ



ESTIMATED WATER DEPTH AT MEAN LOW TIDE
THE PORT AUTHORITY MAKES NO REPRESENTATION
AS TO ACCURACY.

CALL (973) 578-2192 FOR SPECIFIC VESSEL
ARRANGEMENTS.

FEDERAL CHANNEL

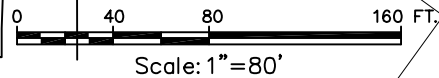
Berth 16

Title

NEW JERSEY
MARINE
TERMINAL

HYDROGRAPHIC
SURVEY

BERTH COORDINATE LIST			
Point	Northing	Easting	Depth (MLW)
1601	677901.680	591807.192	35.00
1602	677913.727	591816.997	35.00
1603	677481.772	592128.597	35.00
1604	677472.981	592116.443	35.00
1605	677913.727	591816.997	38.00
1606	677996.407	591894.877	38.00
1607	677547.408	592219.413	38.00
1608	677481.772	592128.597	38.00



NOTE:
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF
SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED
AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THE DATA
IS REPRESENTATIVE OF A LARGER DATA SET. SOUNDINGS AND CONTOURS
SHOWN ARE FROM 8'X16' GRID NEAREST TO CENTER. COORDINATES REFER
TO THE NEW JERSEY MERCATOR SYSTEM (NAD 1983) SOUNDINGS REFER TO
THE PLANE OF MEAN LOW WATER THE PLANE OF MEAN LOW WATER IS 2.3
FEET BELOW NGVD (1929) THE SOUNDING DATA DEPICTED ON THIS MAP
WAS COLLECTED USING CLASS 2 SURVEY STANDARDS IN ACCORDANCE WITH
EM 1110 2 1003.
THIS SURVEY WAS COMPLETED USING THE FOLLOWING EQUIPMENT:
• Survey Vessel "Red Rogers"
• Reson 7101 Multibeam
• TSS 320 POS/MV.
• Coastal Oceanographics "HYPACK" software

Volume Report			
Design Depth	Volume to Dredge Template	Volume of 2' Over dredge	Total Volume
35'	0 yd3	12 yd3	12 yd3
38'	0 yd3	1,415 yd3	1,415 yd3
TOTAL	0 yd3	1,427 yd3	1,427 yd3

NOTE: BERTH LENGTHS, WIDTHS AND DEEP WATER BERTH DIMENSIONS FROM P.A. PORT DEPARTMENT.

Coordinates are expressed in feet and refer to the NEW JERSEY STATE PLANE (NAD 83) System.

Soundings refer to Mean Low Water as determined by U.S.A.C.E.

The Plane of Mean Low Water is 2.3 feet below Mean Sea Level (NGVD 29).

Note:
This survey does not guarantee the absence or presence of any underwater
obstructions. Diver verification may be required.

NAVDB 3.42
NGVD29 2.30
MLW (N.O.A.A.) 0.67
MLW (COE) & SURVEY 0.00

I hereby certify to The Port Authority
of New York and New Jersey that this
map indicates the conditions existing
as of the date indicated hereon to the
best of my professional knowledge.

William A. Rogers, Jr., P.E., L.S.
William A. Rogers, Jr., P.E., L.S.
New Jersey State # 22254
A.C.S.M. Certified Hydrographer # 151

No.	Date	Revision	Approved

VERTICAL CONTROL
Mean Low Water = 2.3' Below 0.00 NGVD '29

HORIZONTAL CONTROL
ALL COORDINATES, BEARING AND
DISTANCES ARE REFERENCED TO THE
NEW JERSEY STATE COORDINATE SYSTEM
(N.A.D. 83) AS SET FORTH IN
N.J.S.A. 51:3-7

This drawing subject to conditions in contract.
All inventions, ideas, designs and methods
herein are reserved to Port Authority and
may not be used without it's written consent.

Rogers Surveying BW DWR
Surveyed by Drawn by Checked by

Date 12/10/12-01/17/13 Scale 1"= 80'
Contract Number 410-12-037 Drawing Number 16 of 60
BERTH 16